

On the Excitation Mechanism of the Oscillation
Levels of Molecules in an Electric Discharge,
by N. Ya. Dodonova (abstract)

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1954, pp 933-935, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

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Mikayelyan, 6 pp.

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A. M. Chernushenko (abstract)

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D'UNE ÉLECTRODE EN BIOXYDE DE PLOMB (The
Mechanism of Cathodic Polarization of Lead Dioxide
Electrodes). 12p. (foreign text included). 3 refs.
FR-3162 (text in French).
Order from OTS or ETC \$1.85

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Trans. in French of Akademiya Nauk SSSR, Doklady,
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DESCRIPTORS: *Lead compounds, Oxides,
*Electrodes, Polarization, Cathodes, *Passivity.

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II. Leikis, D. [Ya.]
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(Chemistry--Physical, TT, v. 9, no. 8)

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N. N. Yerofeyeva, 3 pp.

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The heating of the film of ZnO in the presence of oxygen leads to a non-reversible decrease of its conductivity, while with illumination of the film in the presence of oxygen, a reversible growth of the conductivity occurs. Reversible heating of the ZnO film in oxygen leads to changes both in its dark conductivity and its photoconductivity. The maximum of the spectral characteristics of the photoconductivity shifts toward the longer wavelengths. The photoconductivity at 120°C of ZnO previously heated in oxygen decreases in comparison with the photoconductivity at 20°C, and this change in the spectral characteristics shifts still further to the long wavelengths. (U.S.A.)

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Scientific - Min/Metals, Chemistry

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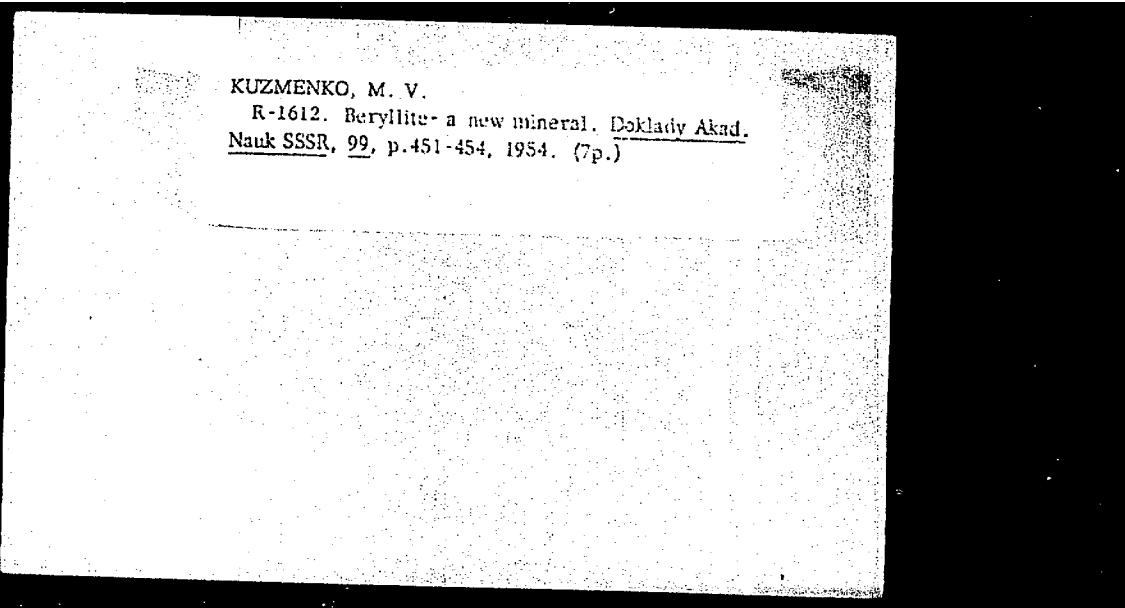
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